

FIG. 1A

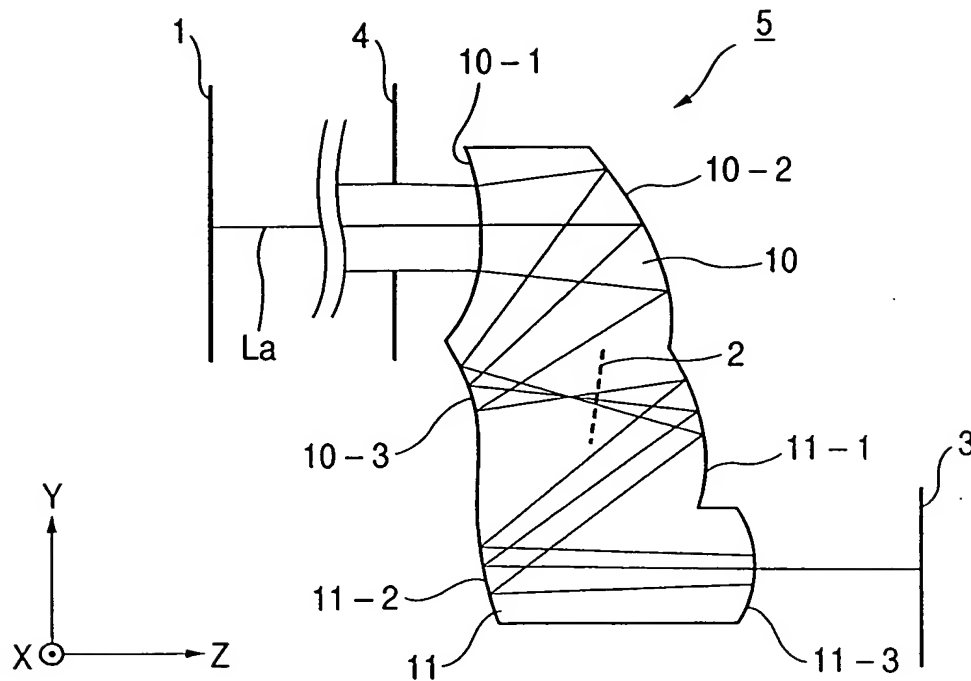


FIG. 1B

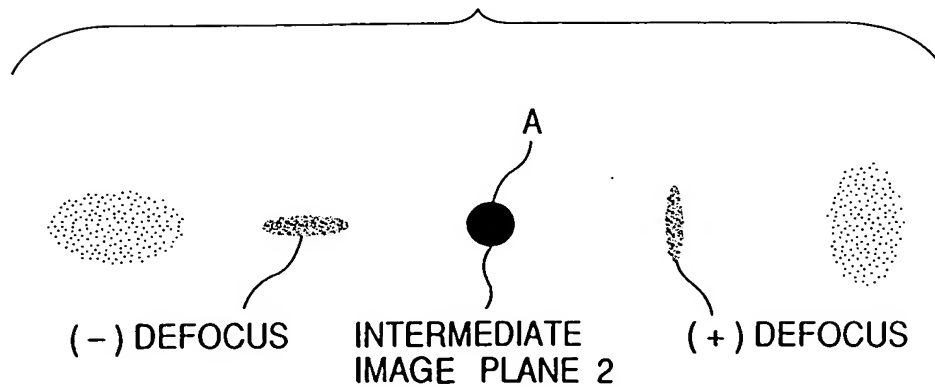


FIG. 2A

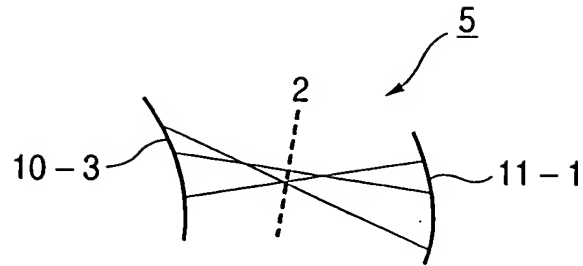


FIG. 2B

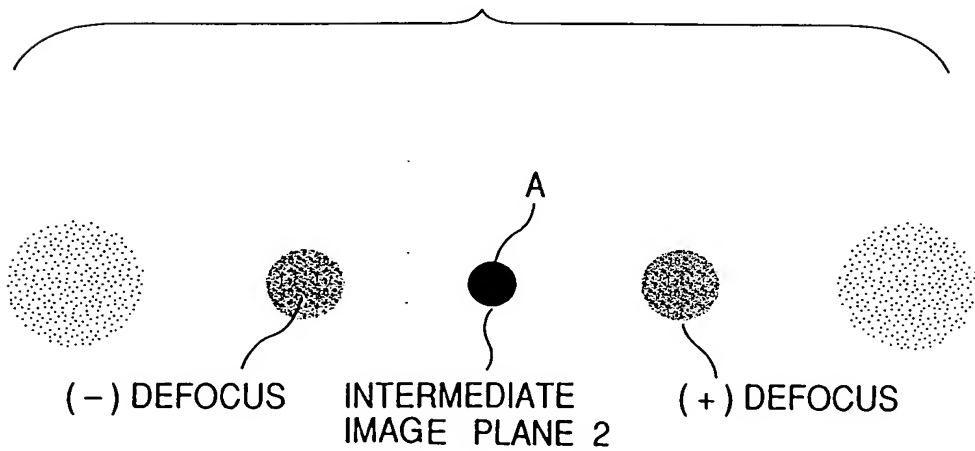


FIG. 3A

(LIGHT BEAMS IN MERIDIAN SECTION)

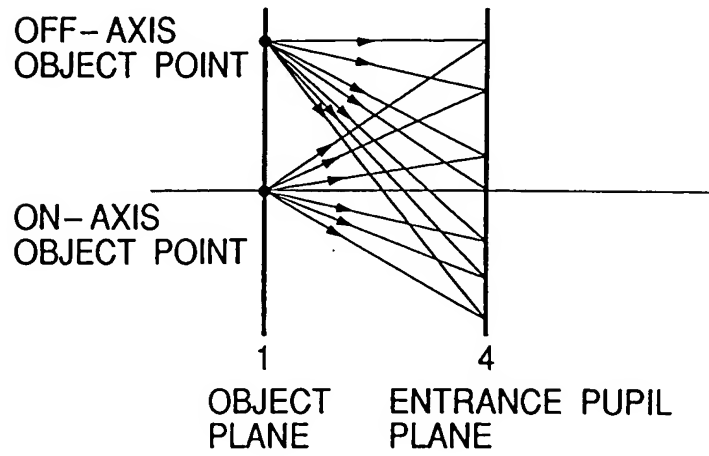


FIG. 3B

(RELATIONSHIP OF TORSION)

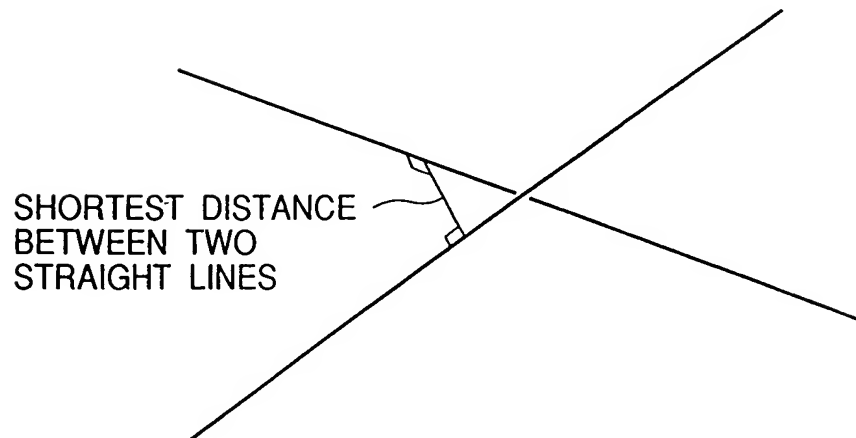


FIG. 3C

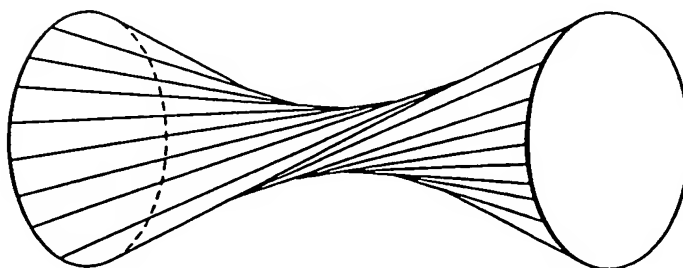


FIG. 4A
WIDE ANGLE END

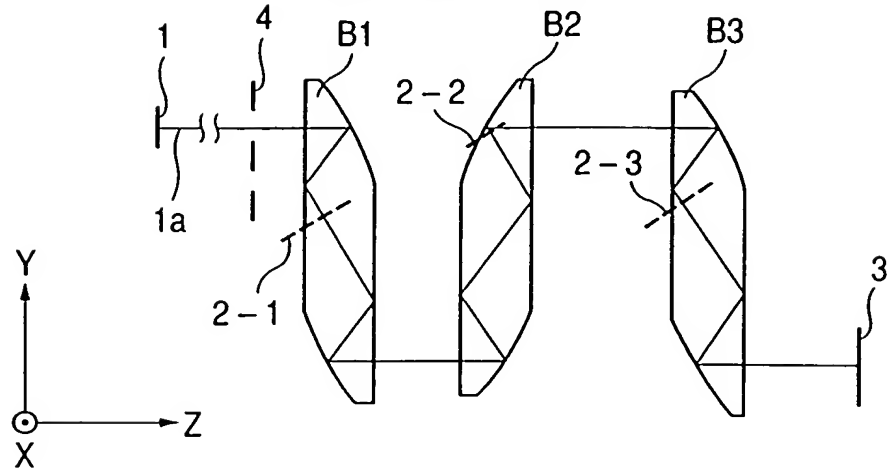


FIG. 4B
INTERMEDIATE POSITION

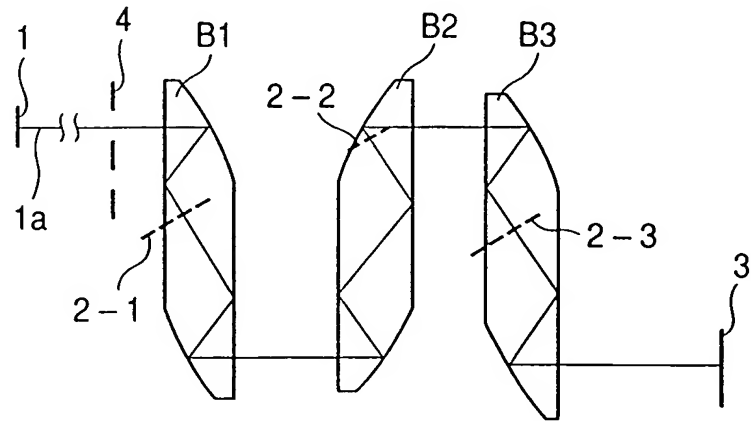


FIG. 4C
TELEPHOTO END

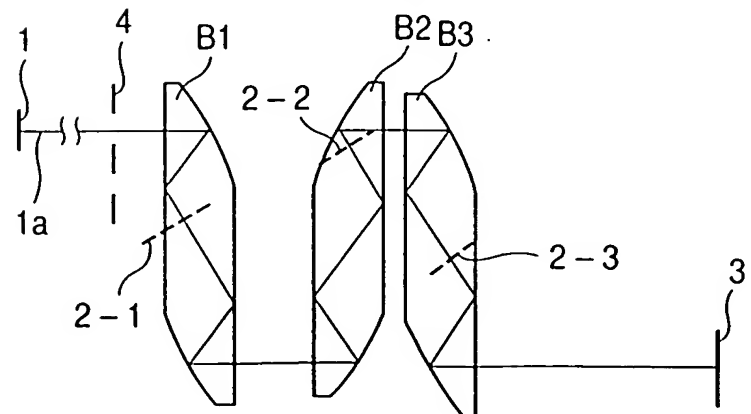


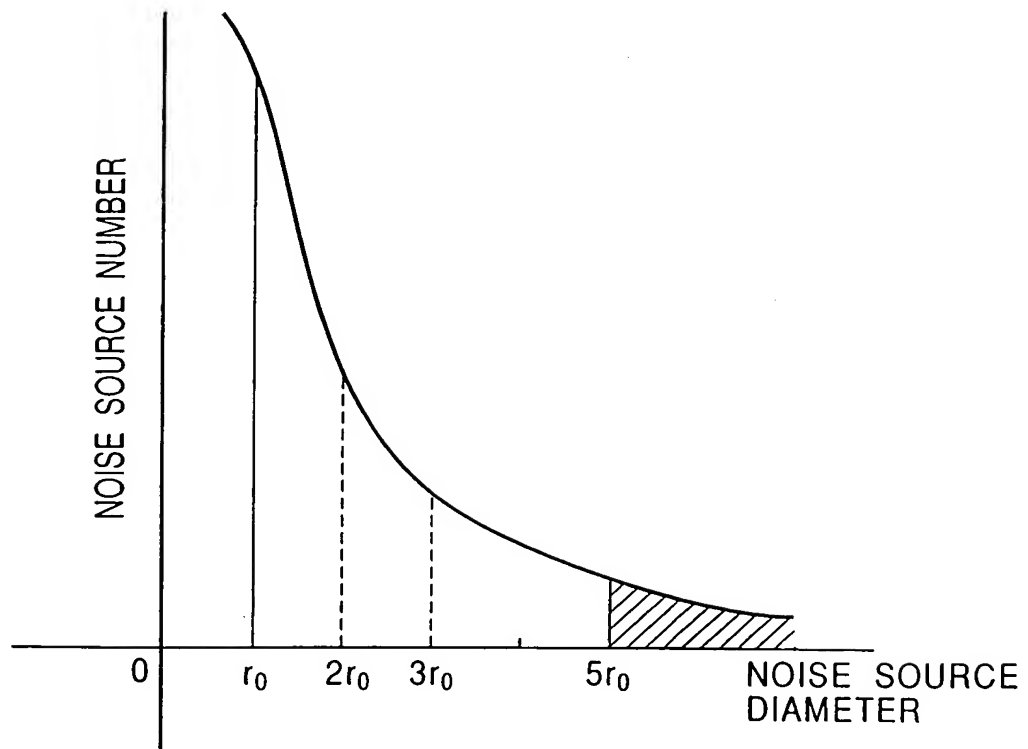
FIG. 5

FIG. 6A

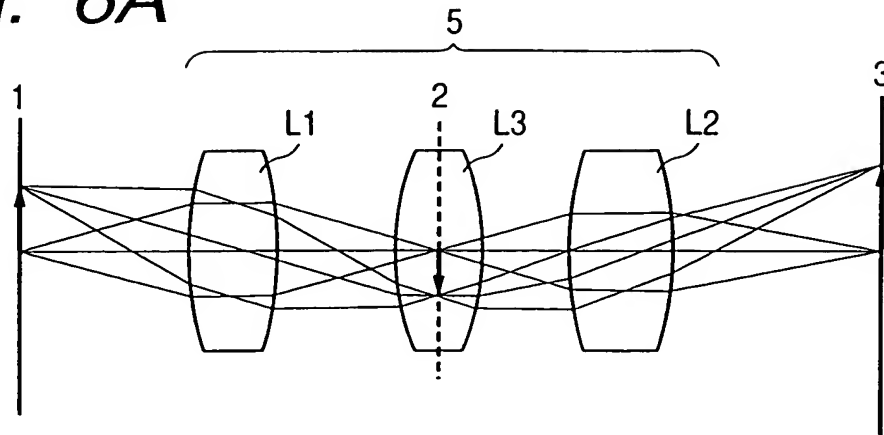


FIG. 6B

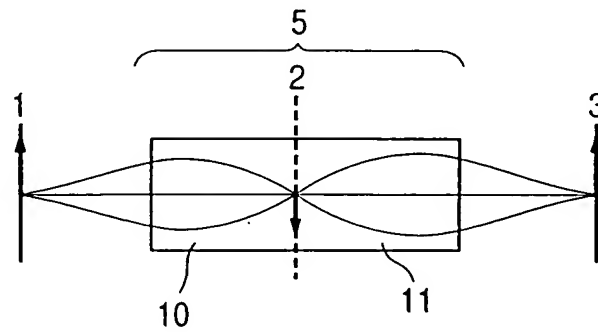


FIG. 6C

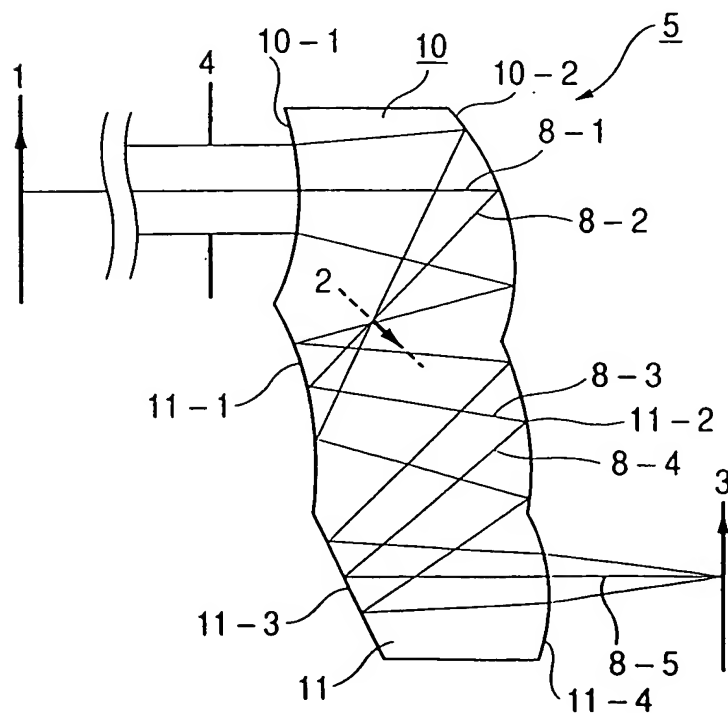


FIG. 7A

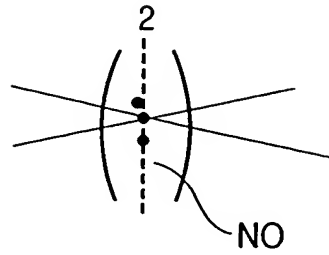


FIG. 7B

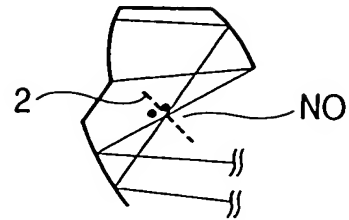


FIG. 7C

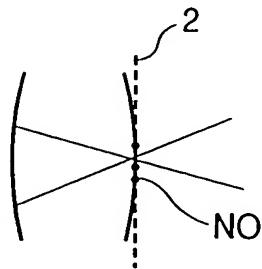


FIG. 7D

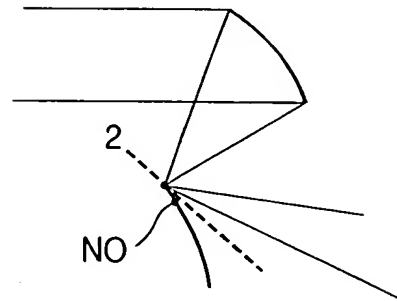


FIG. 7E

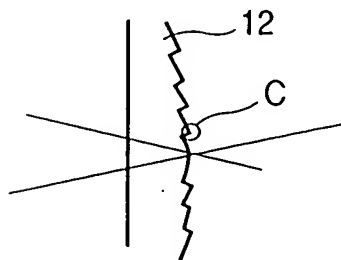


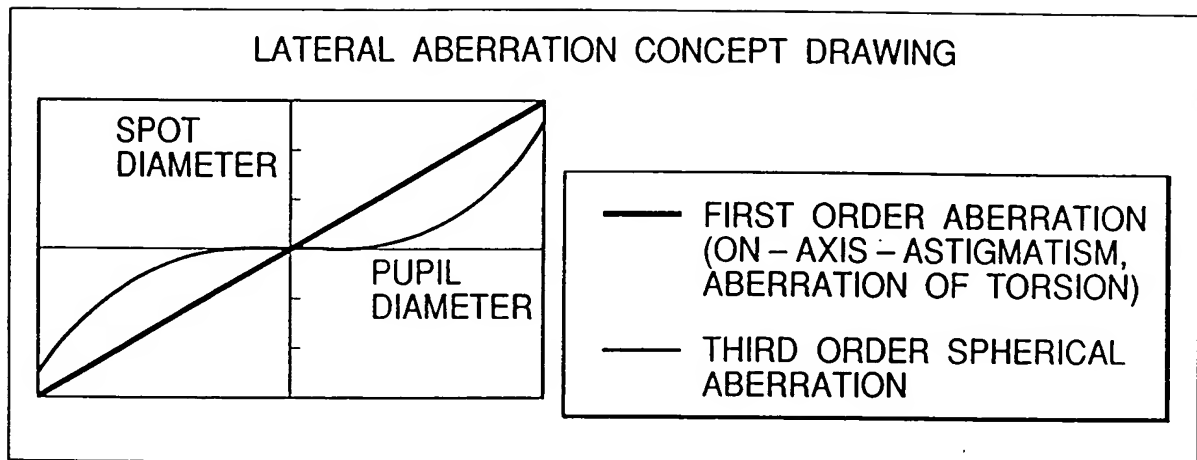
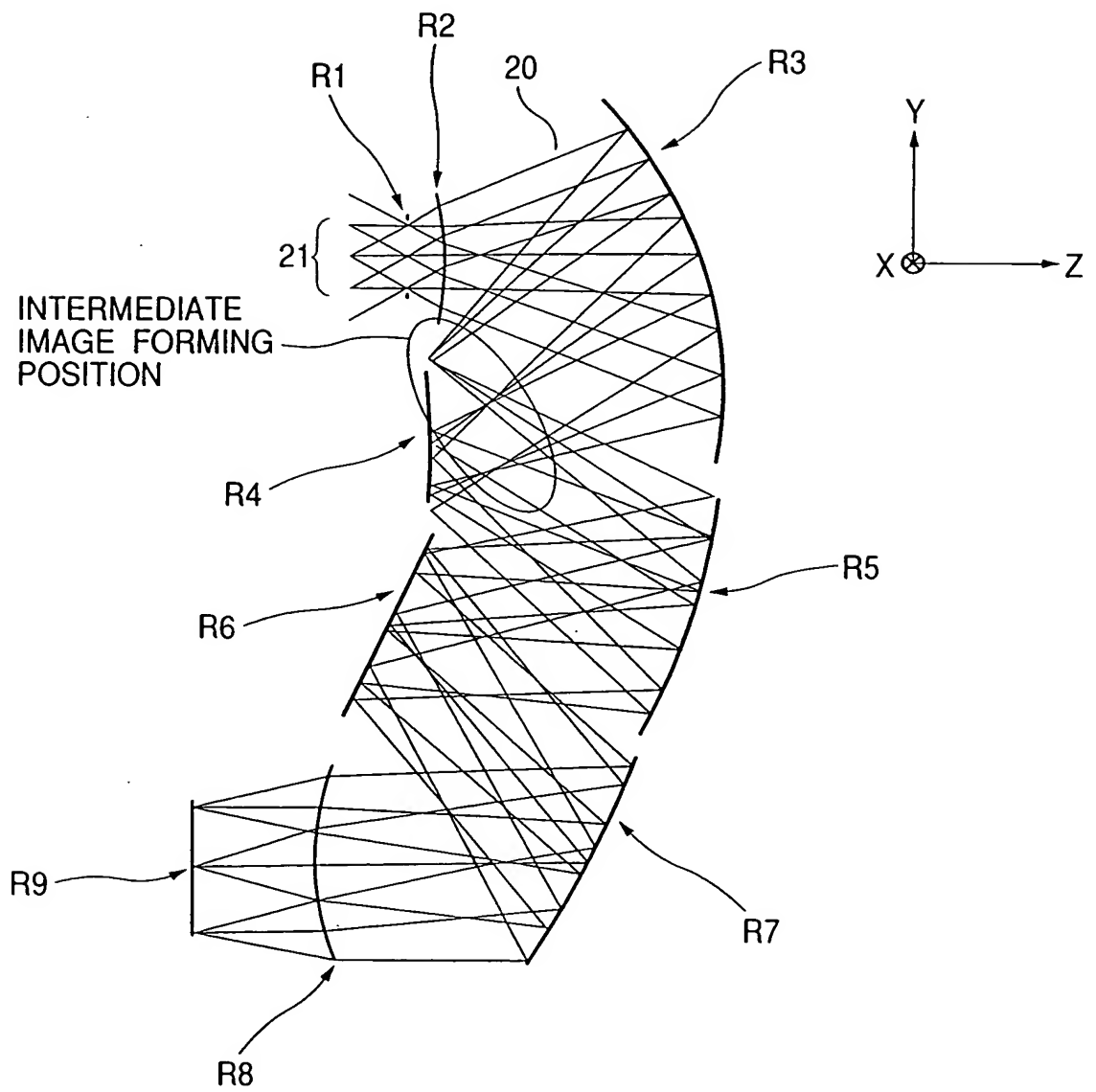
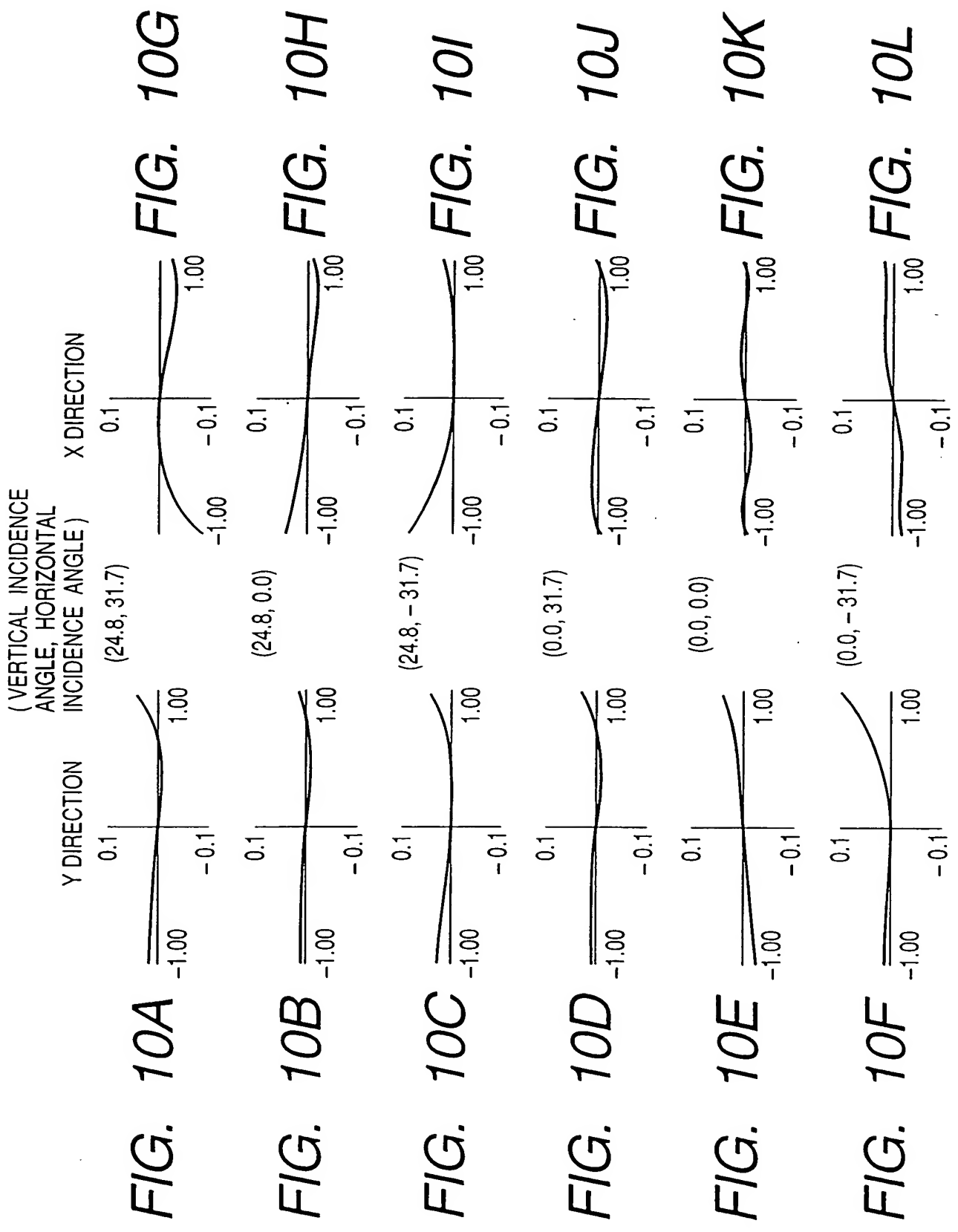
FIG. 8

FIG. 9



(24.8, 31.7)

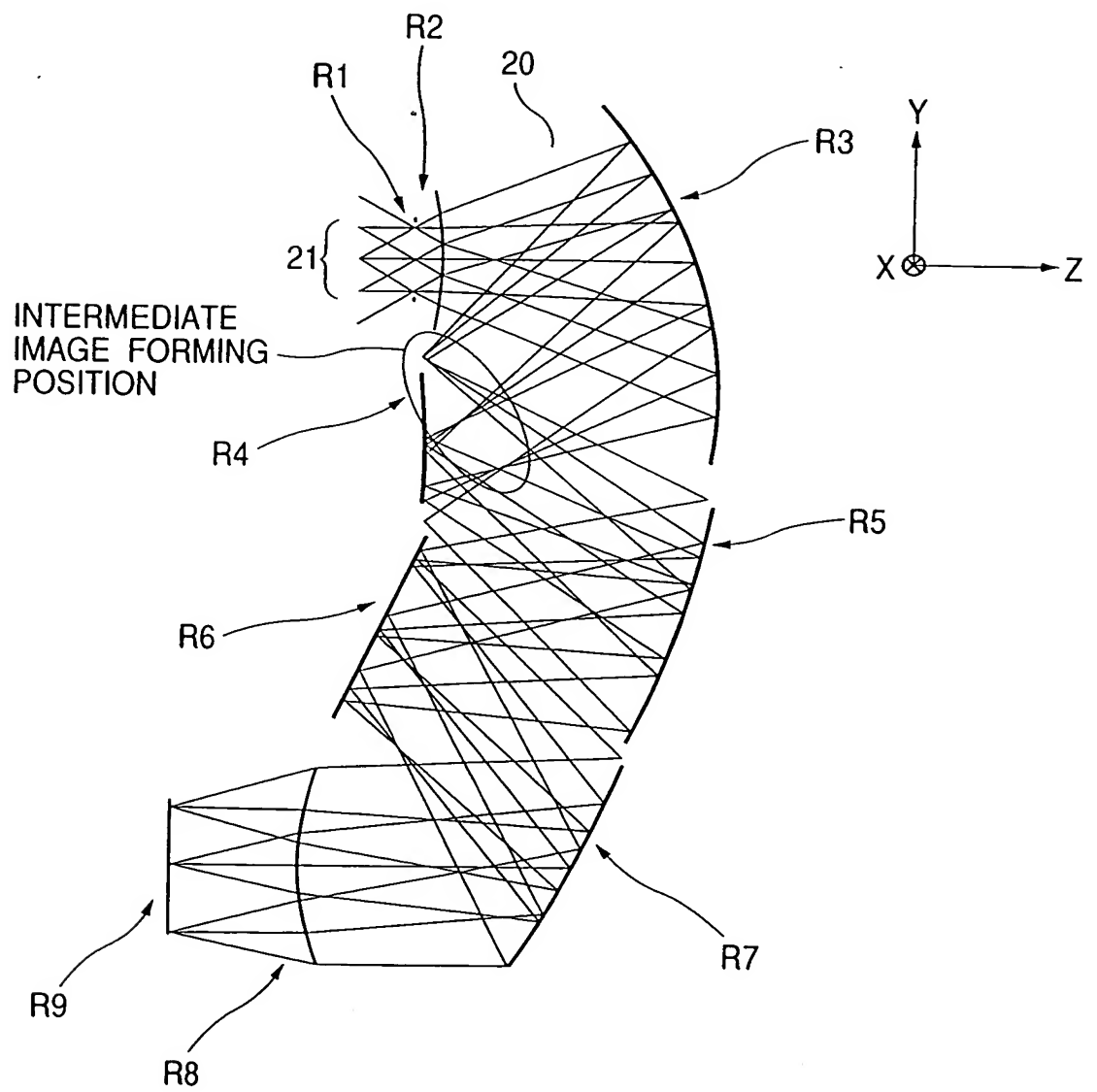
(24.8, 0.0)

(24.8, -31.7)

(0.0, 31.7)

(0.0, 0.0)

(0.0, -31.7)

FIG. 11

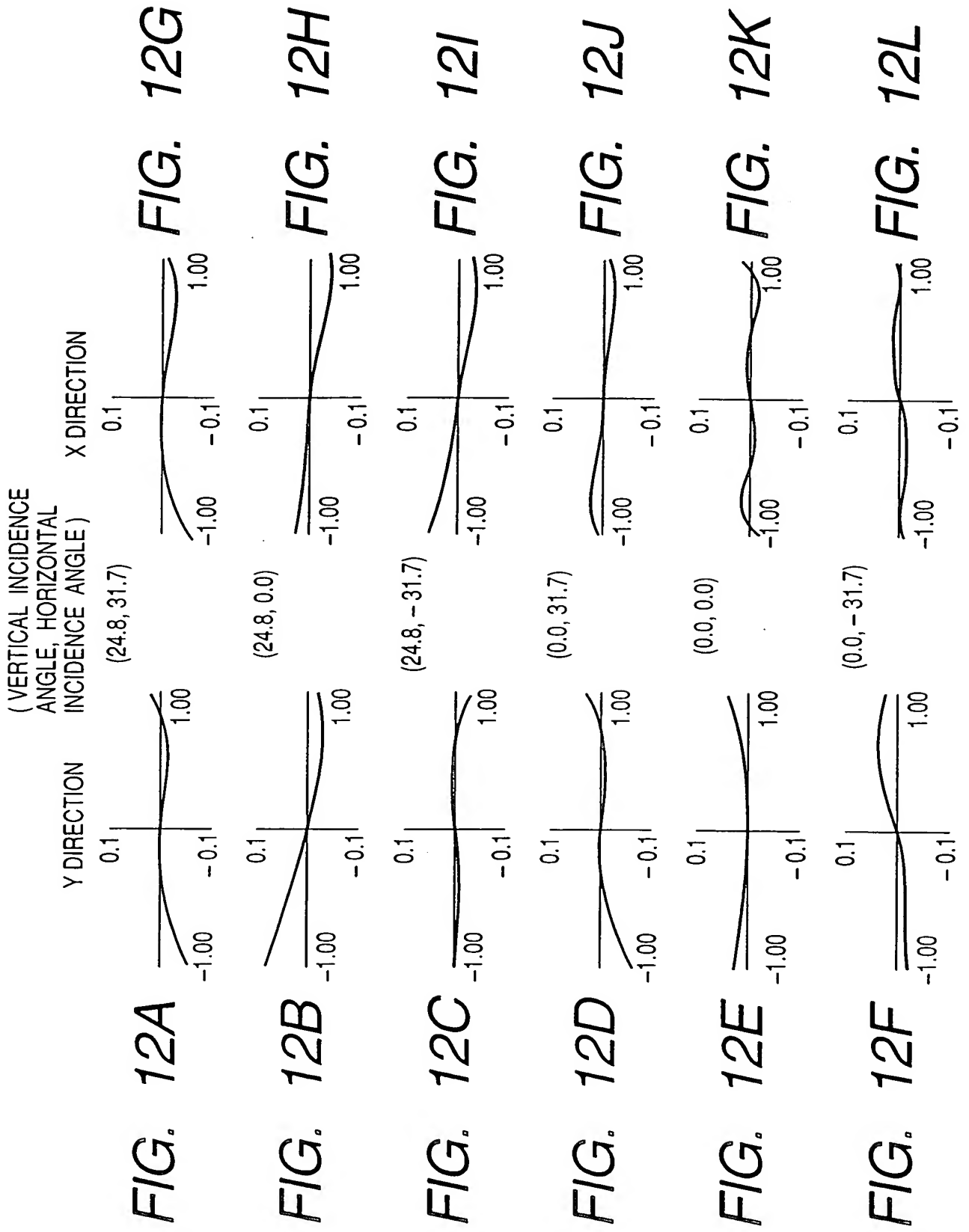
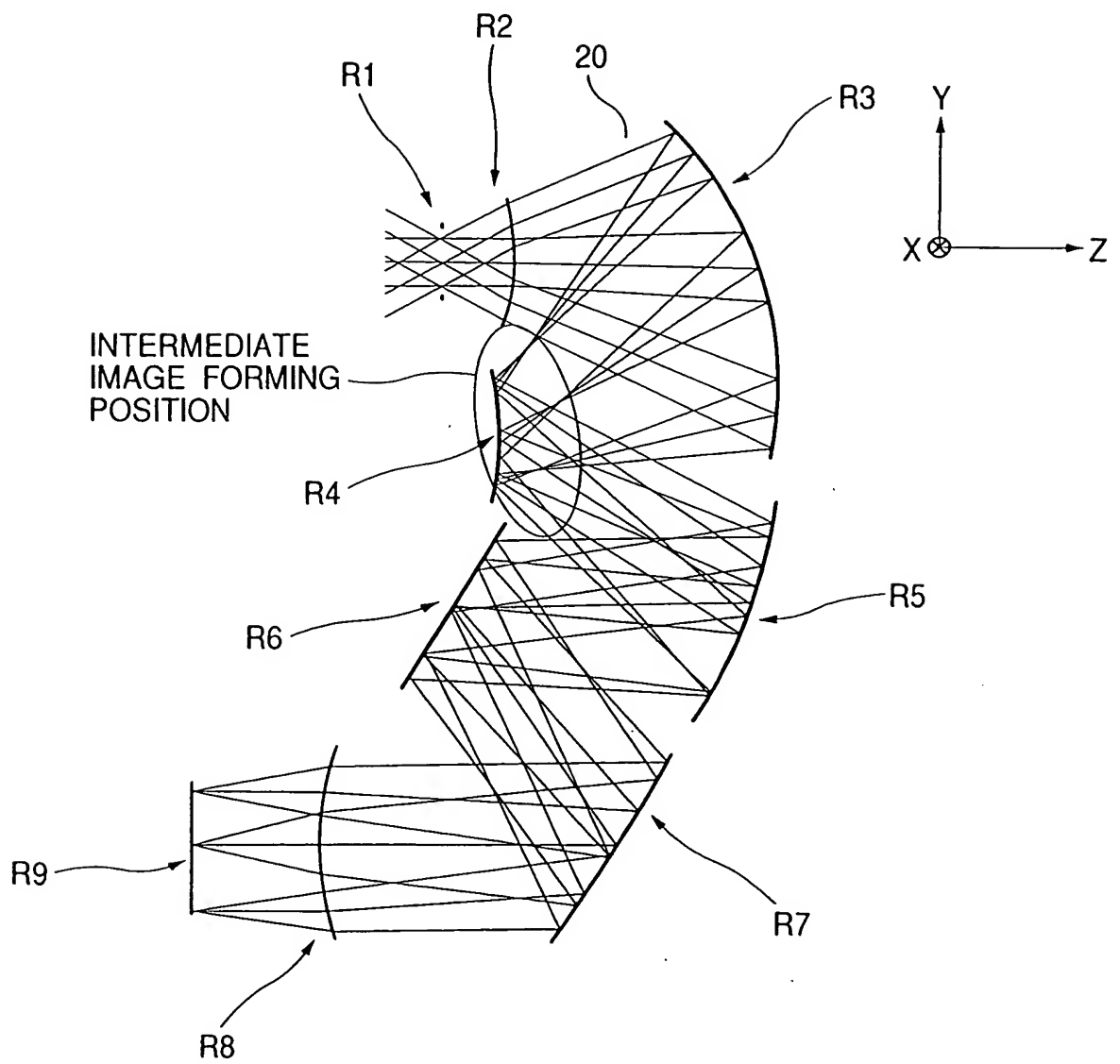


FIG. 13

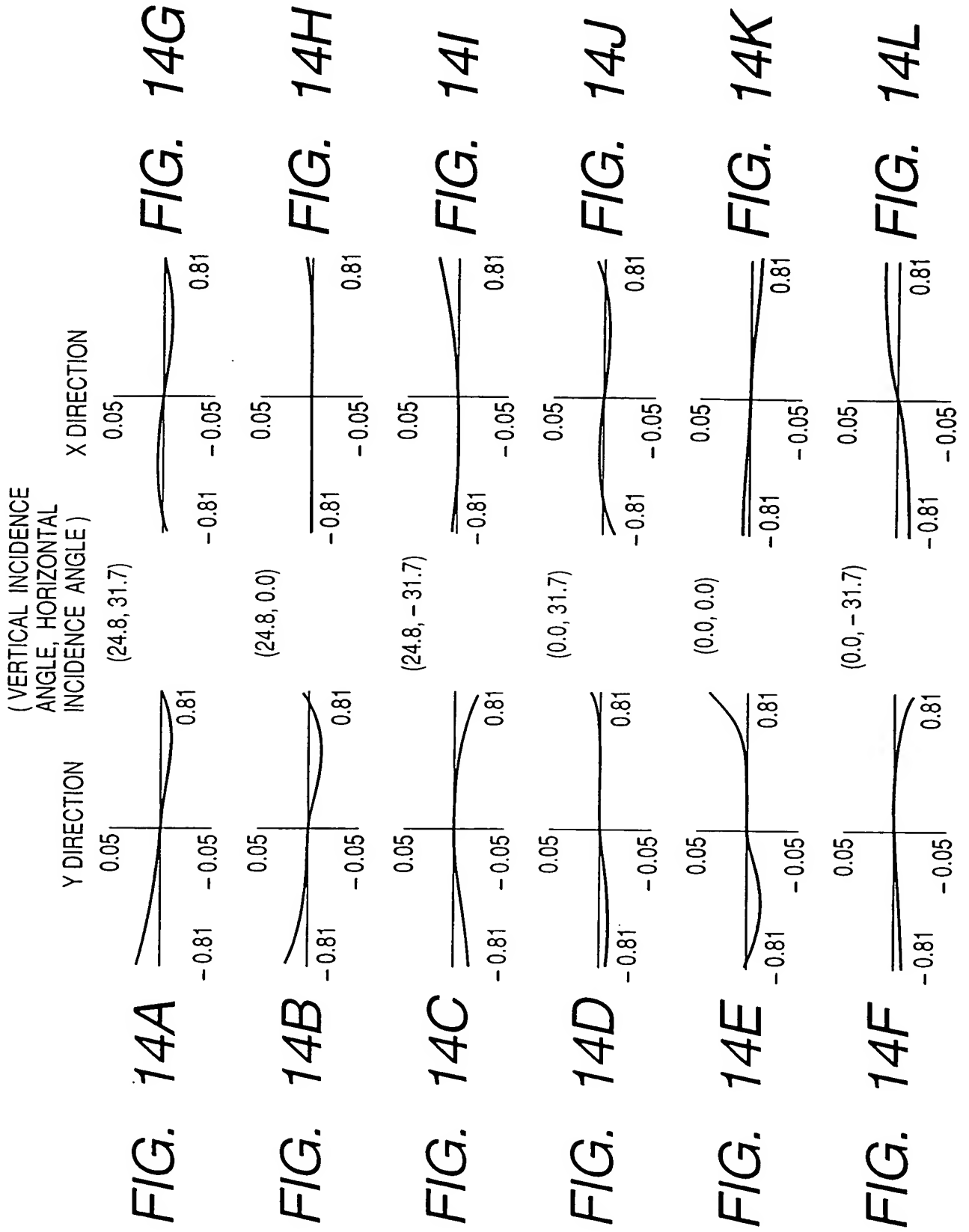
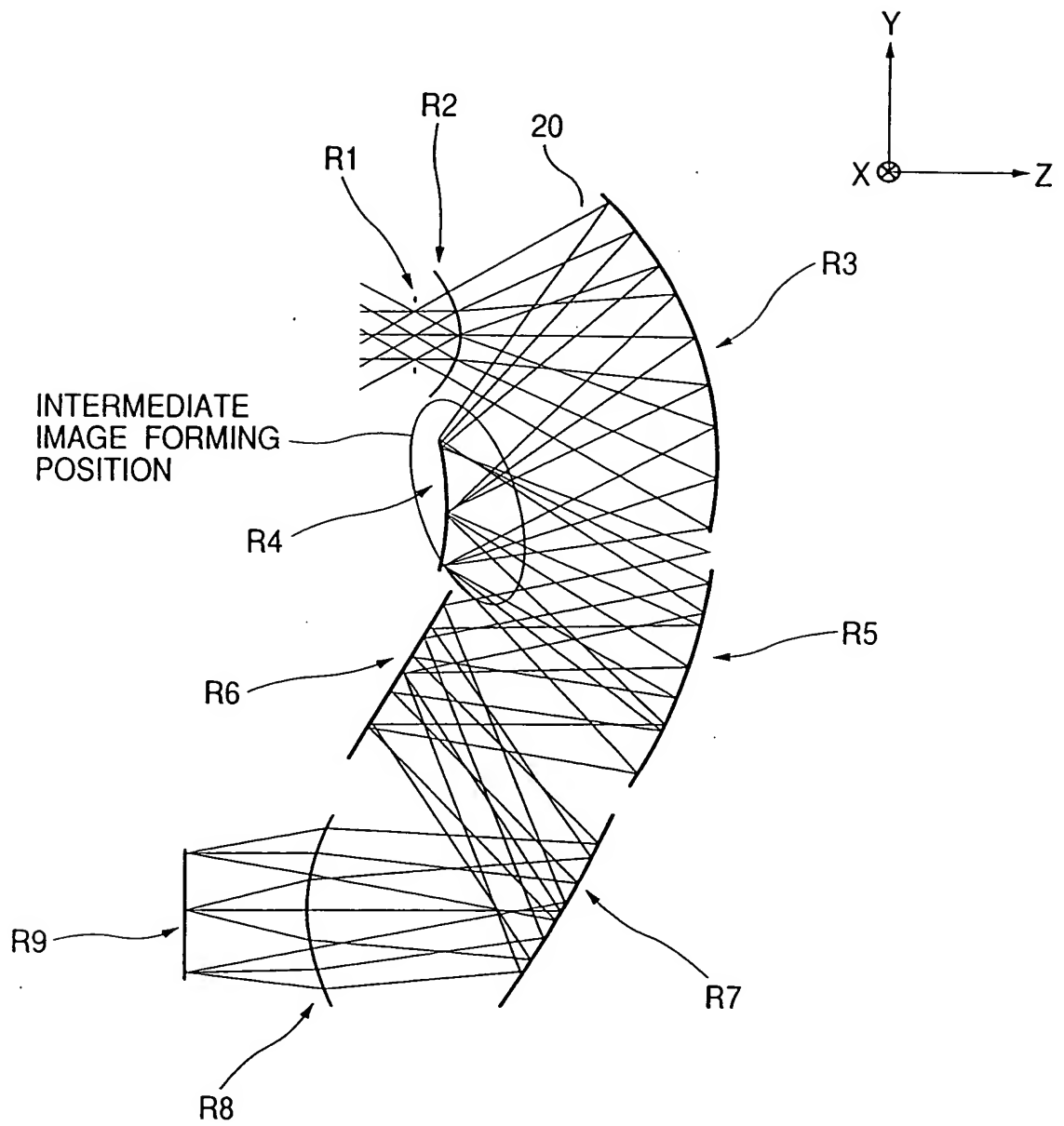


FIG. 15

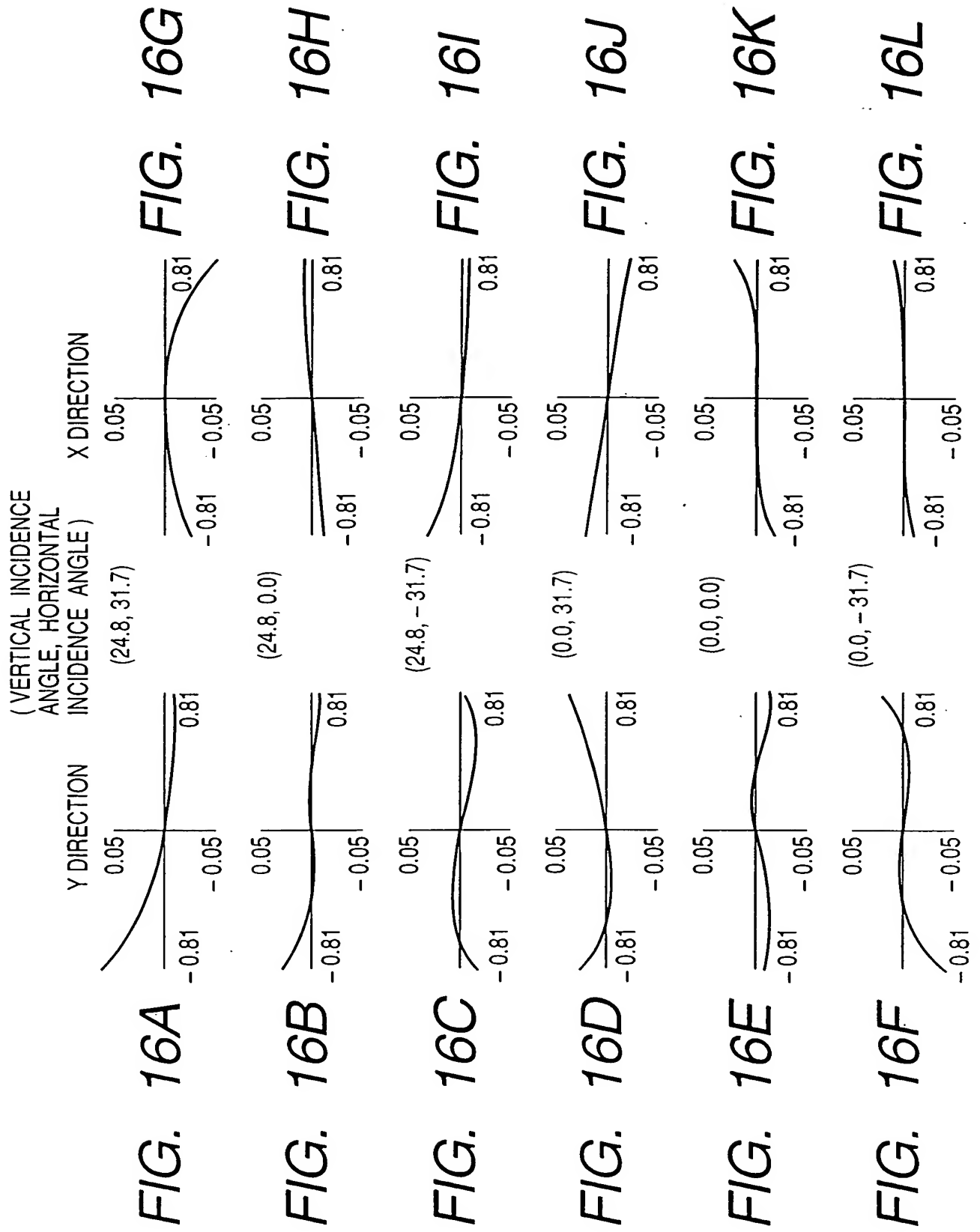


FIG. 17A
WIDE ANGLE END

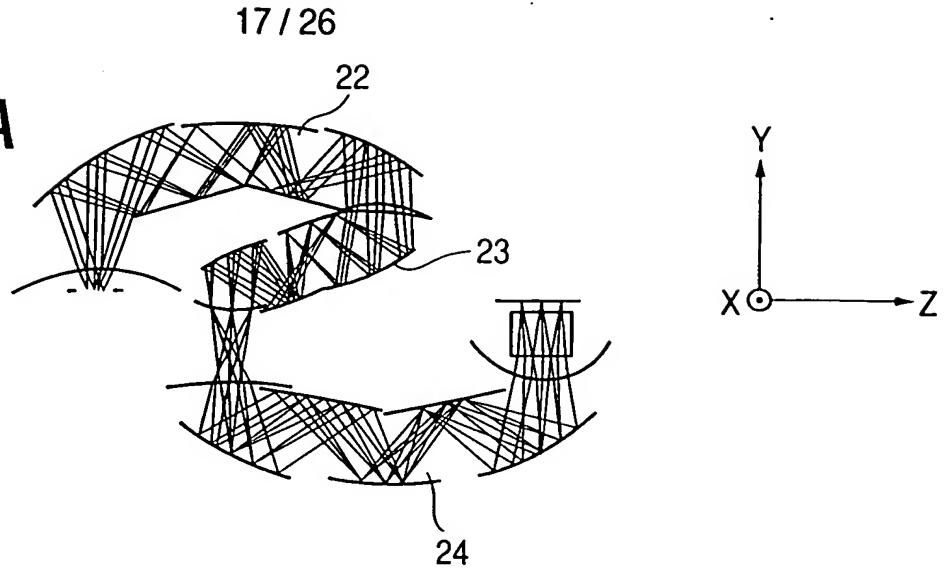


FIG. 17B
INTERMEDIATE
POSITION

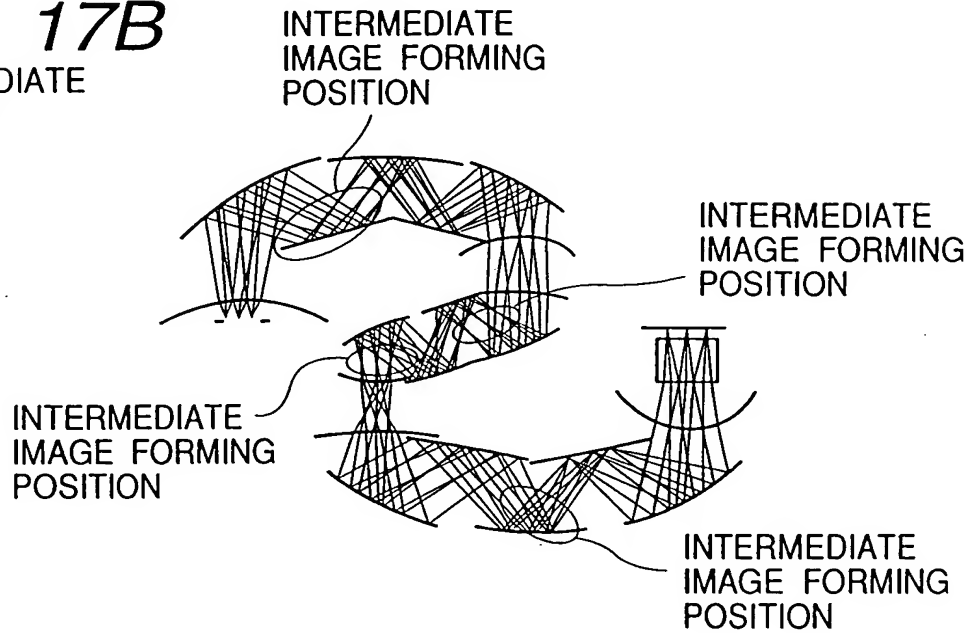
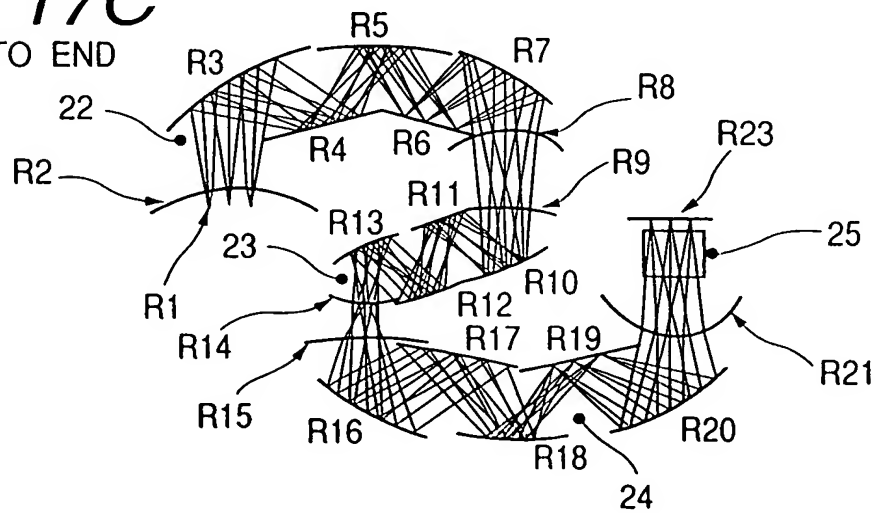
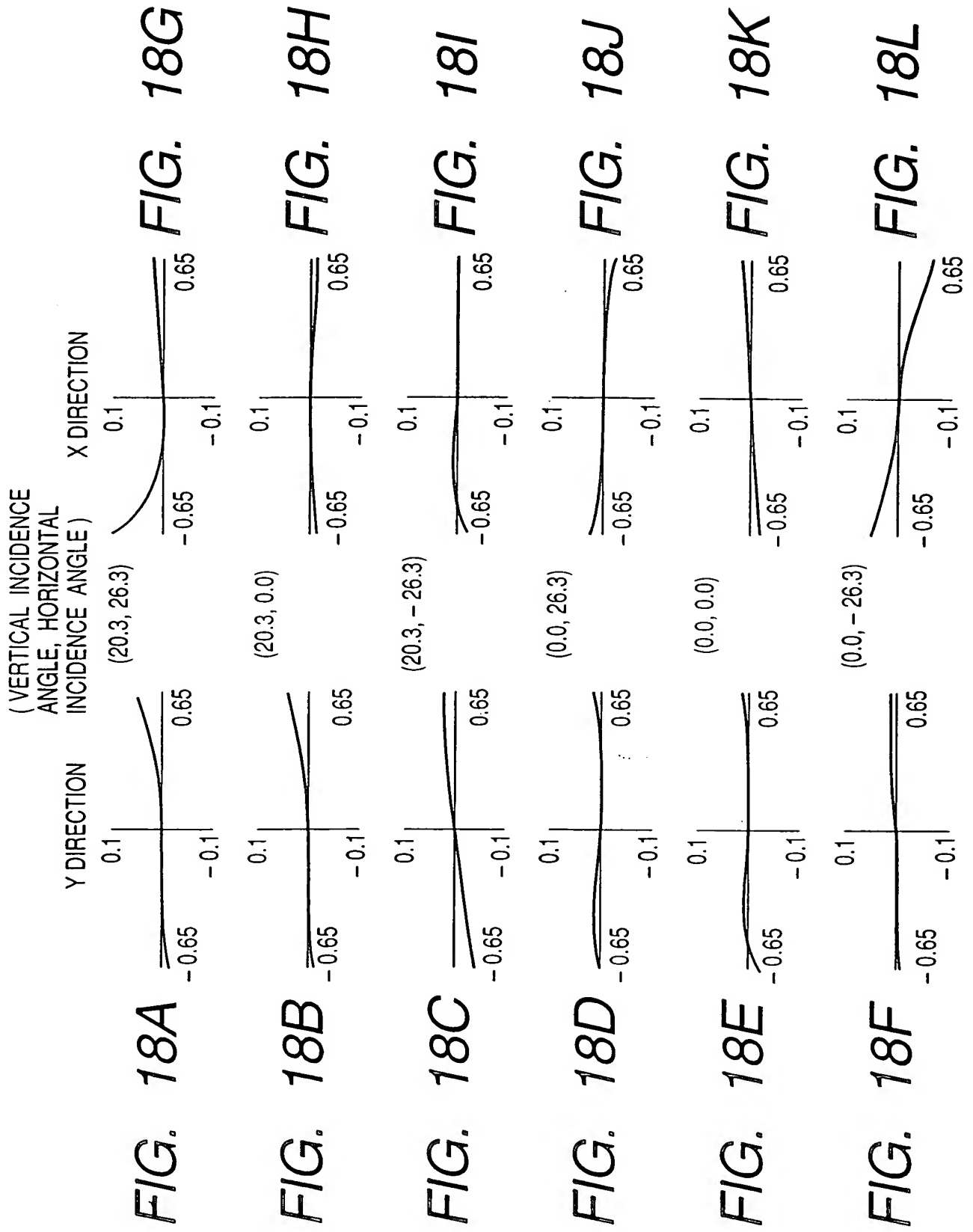
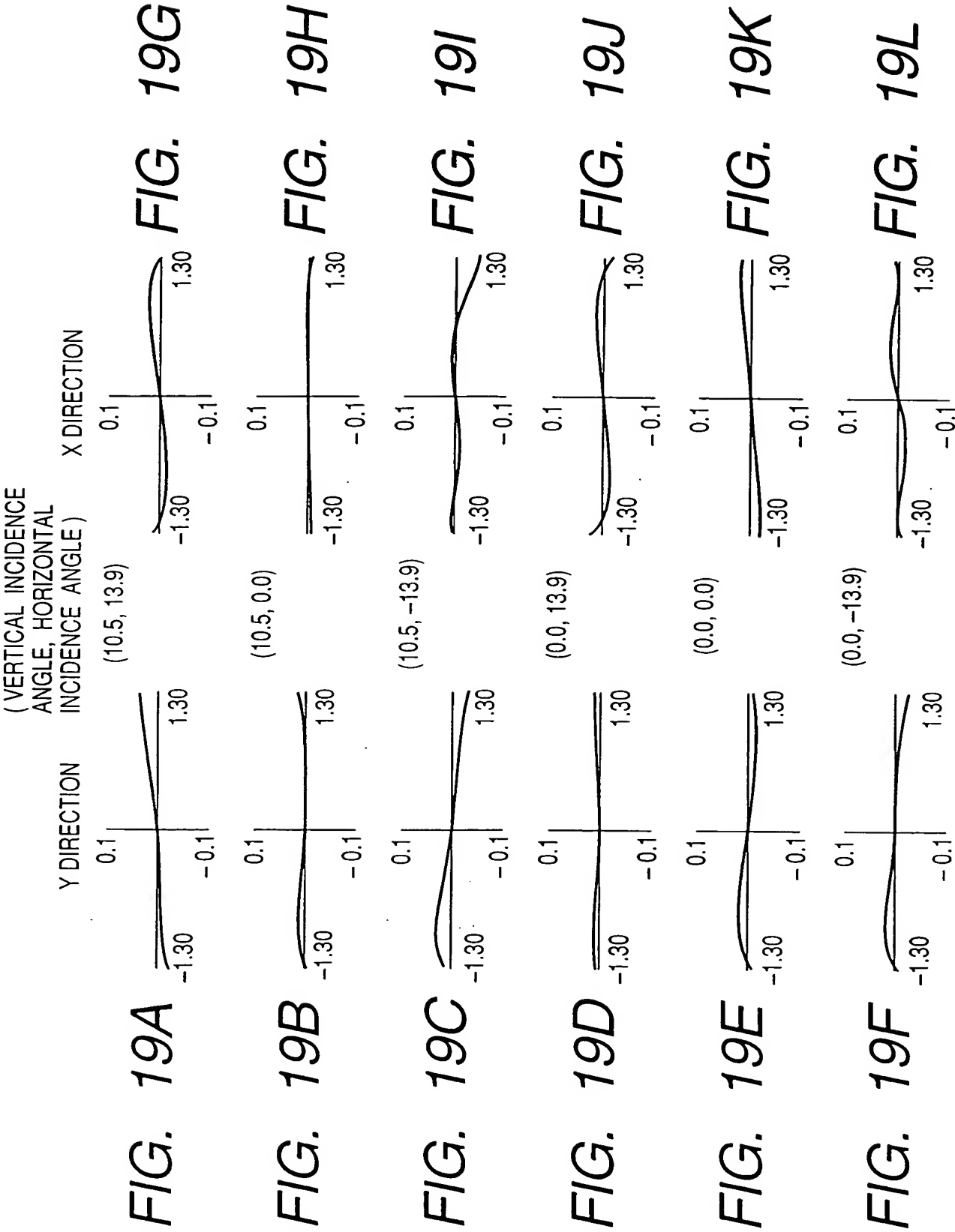


FIG. 17C
TELEPHOTO END







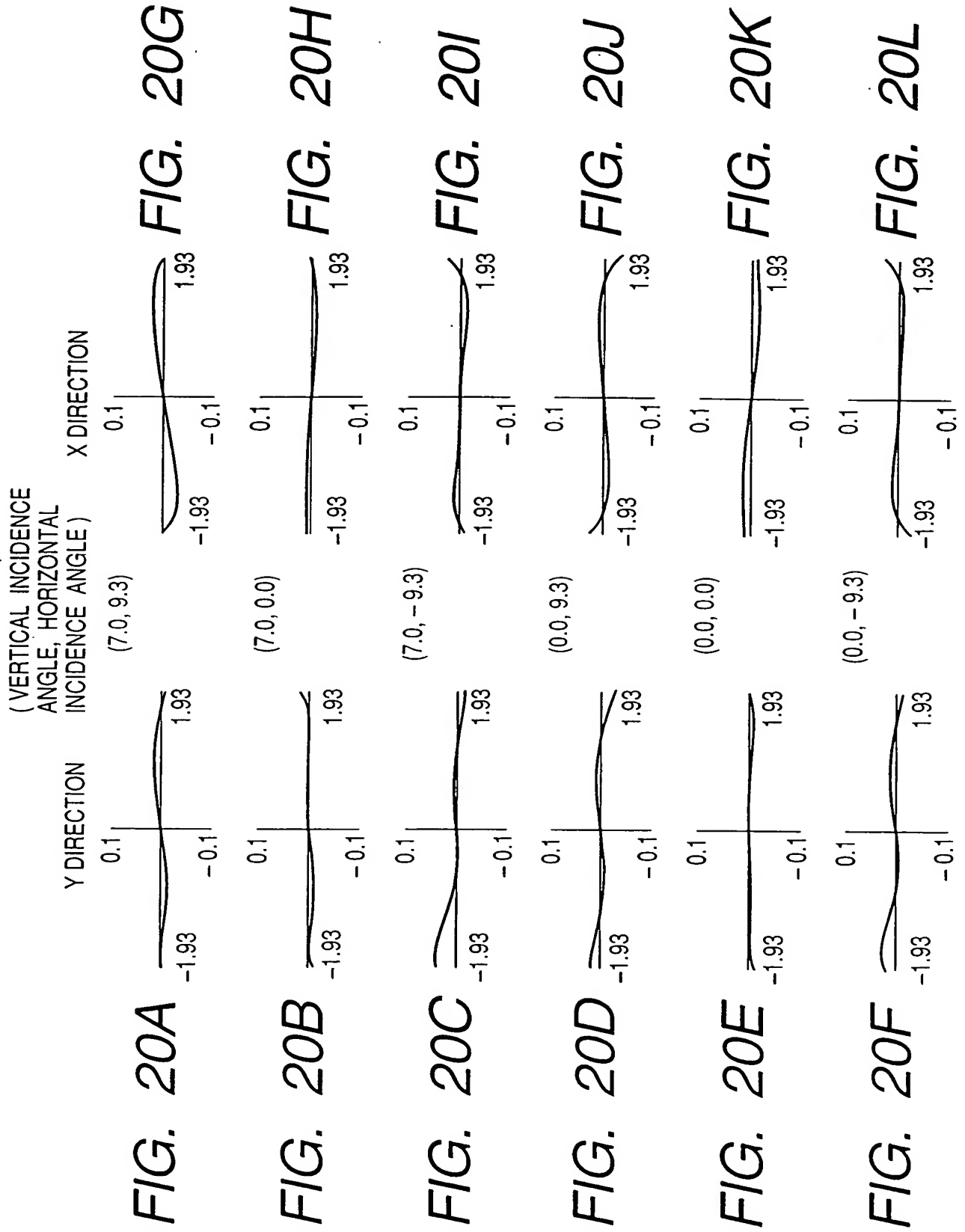
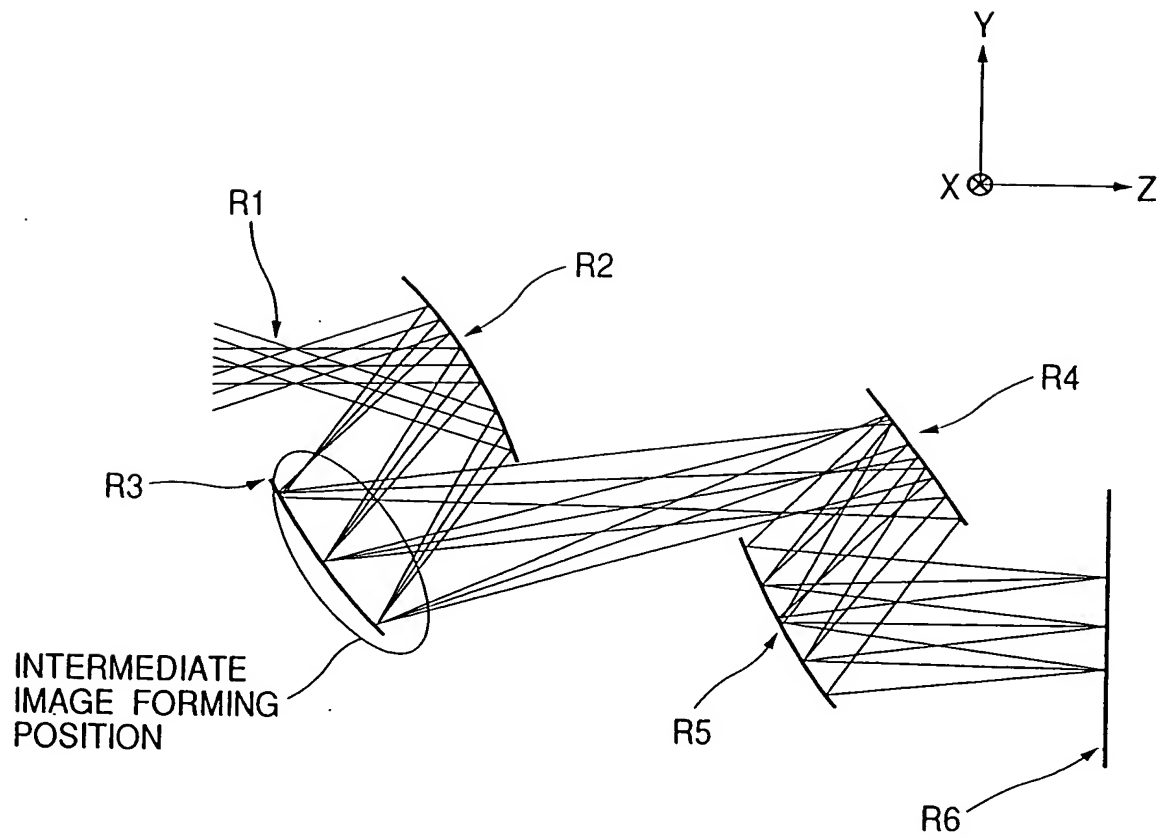


FIG. 21



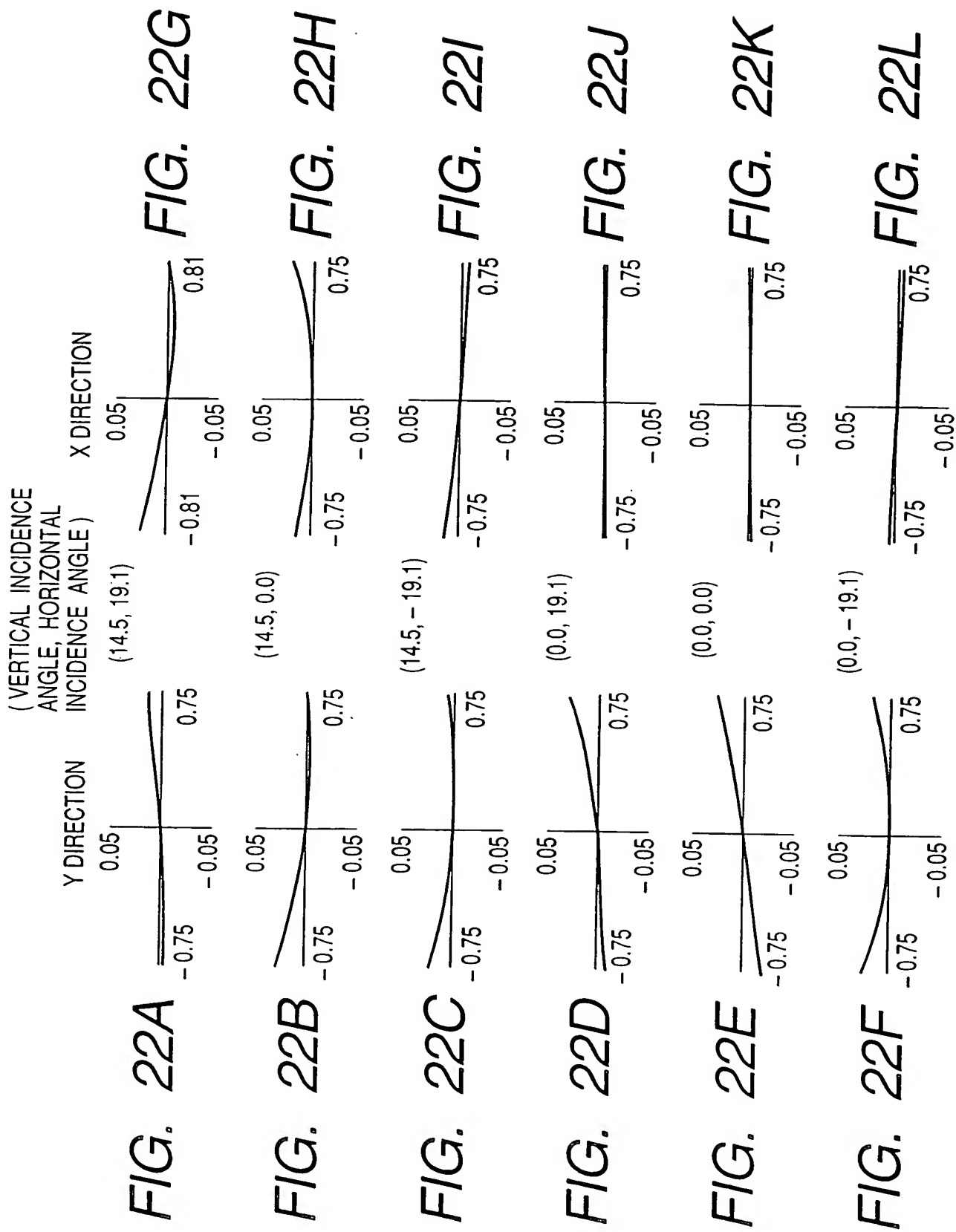


FIG. 23

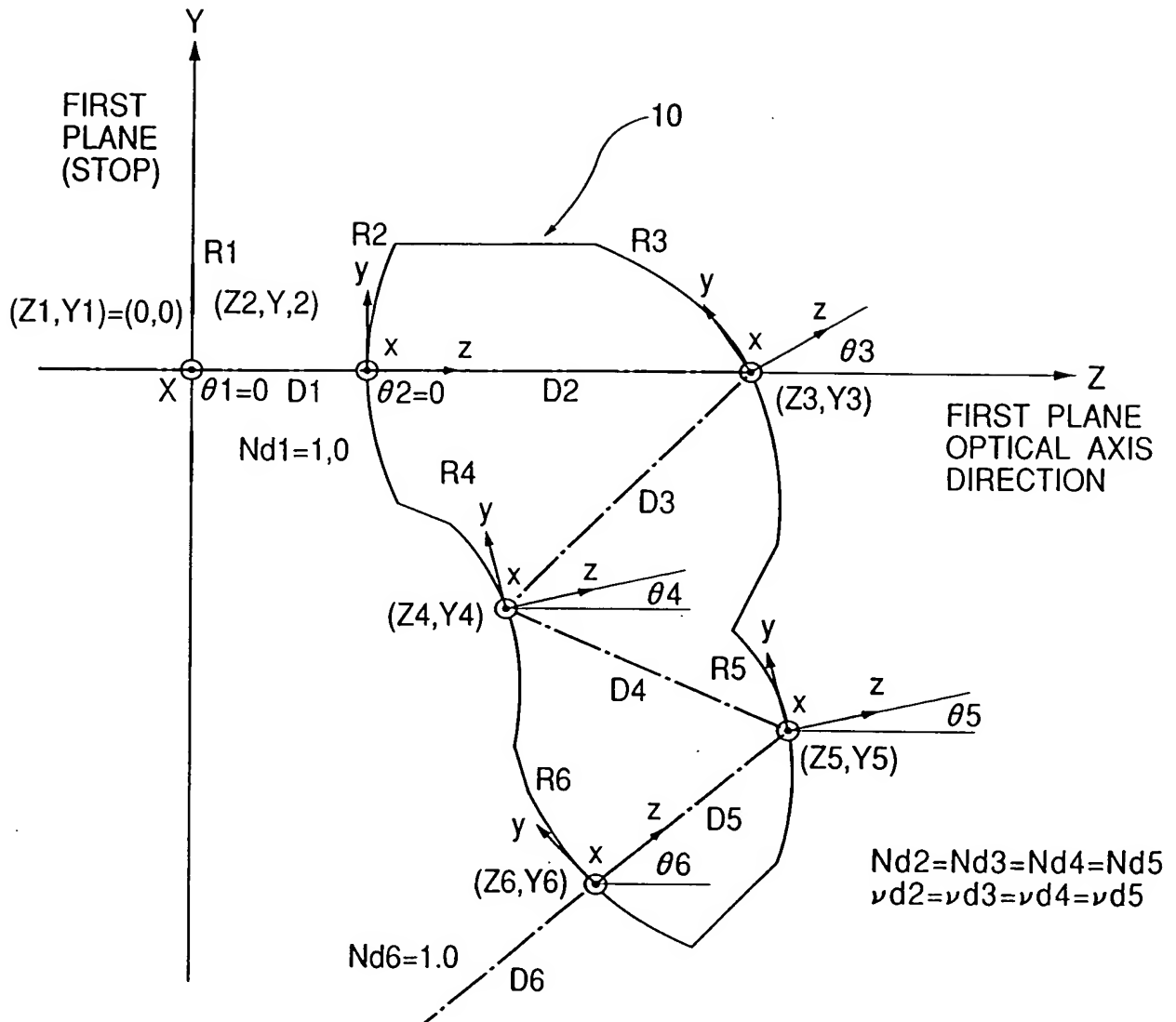


FIG. 24

(HORIZONTAL VIEW ANGLE,
VERTICAL VIEW ANGLE)

SMALLEST SPOT

(0.0, 0.0)



(24.84, 31.68)



0.50000 MM



FIG. 25

(HORIZONTAL VIEW ANGLE,
VERTICAL VIEW ANGLE)

SMALLEST SPOT

(0.0, 0.0)



(24.84, 31.68)



0.50000 MM



